Mohave

County

Miner.

XXVIII.

KINGMAN, ARIZONA, SATURDAY, MAY 21, 1910.

NO. 34

of industrial development.

Power enters into every stage of transporting the ore, in operating the pumps and sunning the mills.

When power must be generated in a tains, the expense cats into the profits man who fills the hundred miles of modern in every respect. and is often prohibitive to successful mining operations.

But this obstacle will not be encountered in the future. The transmission lines of the Central Colorado to the principal mining camps of the Magazine for April. state. No matter how remote or inassessible they may be, they can have power as cheap as it could be developed from coal at 3.508 a ton. The rates in isolated camps are the same as they are where coal is cheap.

So far as power is concerned, the mountains have been leveled.

This comparison with coal applies to mines operating on a small scale. To large consumers of power much lower rates are granted.

The Central Colorado Power company has three generating plants.

At Shoshone on the Grand river, there is a diversion dam of the bear trap type, a tunnel two and one-half miles in length, 12 feet wide and 18 feet high and a hydro-electric power plant of 10,000 kilowatt capacity. This plant is operated on the natural flow of the Grand river.

Just below Nederland in Boulder canyon there is a storage dam 177 feet high, 624 feet long and 120 feet thick at the base. A gravity water line of 36-inch concrete pipe, buried, extends from the dam to a regulating reservoir at Kessler. From Kessler to the power house in Boulder canon there is a pressure pipe line of steel, 940 feet in length with a drop of 1.830 feet. This plant when completed will have a capacity of 10,000 kilowatts. It will operate on stored water.

At Leadville the company has a steam plant of 3,500 kilowatt capacity. The transmission line starts at Shoshone, runs through Leadville, Dillon, Argentine Pass, Georgetown and Golden to Denver, a distance of 153 miles; thence to Boulder, 29 miles. It crosses three mountain passes at an elevation of 11,500 12,200 and 13,300 feet. The voltage on the transmission line is 100,-000, approximately 1,000 times greater than used for incandescent light lines and 200 times greater than the voltage in the operation of electric street railways.

The distributing stations are located at Shoshone, Leadville, Dillon, Idaho Springs, Denver and Boulder. The voltage on the distributing circuits is 13,000.

The Boulder plant will be completed during the coming summer.

At Idaho Springs the lines of the company are connected with the plant of the United Hydro Electric company and at Lafayette with the steam plant of the Northern Colorado Power company. This taken in connection with the large emergency steam plant at service superior to any furnished by any similar system in this part of the billing. United States.

In isolated mining regions mines are often forced to close down because of interruption in the coal supply. In penses, the situation will be greatly improved by the extension of the company's lines throughout the district.

Beyond question the mining districts reached will be greatly benefited, and many properties that have long lain idle will become the scene of active operations during the present year.

To give a clear conception of the achievements of the engineer in the reclamation of arid lands for crop pro-

canal, serving a thousand acres, merely by twisting the wheel valve that lifts Mining development in Colorado has the water gate. Sixteen large rivers

All Eyes On Starting Of Mill.

A Cripple Creek dispatch says:colorado Springs and only a few min- about the first of June. or details remain to be turned up beand the wheels commence to revolve.

shown in the last report, contain more and to equip it as such. than 3,500,000 tons. Two million tons -are added to the milling plant.

The April output from the mines of the Vindicator company, operated the leasing system, totalled 3,500 tons, from the main shaft and different levels of the Hull City shaft.

the main or No. 1 Vindicator shaft, shipped from shaft No. 6, active under lease. The Hull City shaft workings produced 1,300 tons and of this 500 tons, with an average value of 30\$ per ton, was mined and shipped by the the 10 sets of lessees at work in the upper levels.

two dividends of 45,000\$ each since bringing the grand total paid to 2,-

Steady production is maintained from the Isabelia company's estate on Bull hill, operated under the leasing system. During April 30 cars, containing approximately 1,000 tons of ore, went Leadville enables the Central Colorado out and the average value was 25% company to guarantee a continuity of per ton. Since May 1, 10 cars have left the mine, not including the last

A total of 1,000 tons was mined and shipped from the Trilby and Ben Harrison claims of the Trilby company's Bull bill properties during April, and this respect, as well as in reduced ex. the average value of ore marketed was 188 per ton.

An important strike recently made northeast from the shaft, at the 400foot level, near to the Dante line, promises to prove of great profit to the company and should raise the average value of the product. The quartz shows considerable sylvanite and the mine samples are showing 48.000,000\$ Spent To Reclaim Land. two ounces gold per ton and upward. -Daily Mining Record.

The Territorial Board of Control

Cheap Power Stimulates Mining In duction some statistics should be noted has awarded the construction of the 42 feet from the station. The vein ticular being the size of one's wrist. of the great scope of the series of pro- Pioneer's Home at Prescott to Henry itself strikes east and west. Cheap power is just as much of a jects. Nearly eight years have passed Rockmark, the sum of the bid being factor in mining as it is in other forms since the United States went into the 29,900%. The bids were opened last business of turning the water upon week Robert Craig, citizen member mined until Mr. Mortimer has had the be reached. the land, and up-to-date it has spent of the board stated that the plans ac- sample shipment thoroughly tested metal production. Power is required 48,000,000\$. This money has been in- cepted provided accommodations for and has secured plans and estimates in driving the drills, in hoisting and vested in twenty-eight projects, mean- about forty inmates. The building from Denver makers. Then the whole It is dull gray quartz-porphyry and ing dams, reservoirs, canals, machin- will be of brick with masonary founery and the payroll of the 12,000 work- dation. There will be a dining room, ers in the irrigation service, from the laundry, library, bed rooms, with mains to be determined—the certain the particles of gold appear in a long steam plant, and coal costs from 68 to engineers who surveyed the rivers and water stands in each room, steam 88 a ton, as it frequently does when lakes, estimated the flow of water and heating plant, hard wood floors and laid down at the mines in the moun- planned the works, to the dollar-a-day wide porches. The structure will be

Bu Strike on Nevada Eagle.

The Nevada Eagle has proved up. been retarded by the high cost of and seven lakes have been restrain- The vein has been cut on the 400-ft, out of the San Pedro, Los Angeles and "When these porphyry copper propoed to supply water to the arid lands in level, showing 20 feet of ore averagtheir vicinity and at the present time ing 118 to the ton. Superintendent 1,250,000 acres af reclaimed desert are G. D. E. Mortimer has been notified being tilled and supporting 125,000 by wire to prepare himself to go to the reopening of the road the Ameri-Power company have been extended people. - D. A. Willey in Cassiers Denver, there to arrange for a milling can Express Co. will have the express famous old camp to the north." plant, and then journey on to Phila- privilege of the road and enter southdelphia where the main offices of the company are located.

Mr. Mortimer will ship via Search-The main unit of the new Portland light two and one-half tons of ore to Union Pacific. Oregon Short Line, Gold Mining company's mill on Battle Denver for experimental treatment. mountain is all ready to begin the Just as soon as he is notified that the Oregon and Washington, all Harriman treatment of ores from the dump and shipment has arrived at its destination lines. The Salt Lake road is half mine. Manager Taylor is here from he will start for Denver, probably owned by Harriman interests.

fore the electric power is switched on anxiously awaiting the cutting of the bargain it made when several dent of the Amalgamated Copper comore on the lower level, as they con- months ago it bought the Southern Pa-The mill is automatic throughout sidered that if it held out in the same cific's holding of stock in Wells, Fargo and the most modern plant in every quantity and carried values like those & Co. for several millions of dollars. respect constructed in Colorado. The above, they would be fully justified in There is no indication the two comdumps of the Portland company, as considering the Eagle a proven mine panies will cut rates.

As the mine is not making over 150 the caving system and transported to plan of the directors is to pipe water of which are owned by Mr. Gould. the mill by electric tram. This ore, it from the Colorado river. The distance will be encountered.

both on company account and under located in the Eldorado district, not Harriman people, who own the other indicate that it will grow less. far from that of the Capitol. The half. The catastrophe was the largest with values ranging from low-grade company is a close corporation com- of the kind that ever happened to an tremendous development tonnage, in dump ore to high-grade smelting ore posed largely of Philadelphia capital- American railroad. The loss, how- that it does not, and cannot, boast of ists. These same people first entered ever, will not seriously cripple the unlimited developed ore. this section in December, 1910. At road.-Searchlight Bulletin. Of this 1,200 tons was shipped from that time they purchased the Oregon group of claims in the northern part Conditions Looking Better in the New operated on company account exclu- of this district and operated under the sively. This ore, mined principally name of the Searchlight Consolidated. from the 1,300 and 1,400-foot levels, This venture did not prove profitable, has been started on the 300-ft. level the 1,500-levels some time ago we held the high average value of 428 per so Messrs. Lathbury. D'Olier and oth- of the New York-Searchlight. Presi- mined in what was termed the Boton. From shaft No. 2, operated by ers who were largely interested com- dent Hurt is in Los Angeles, but ac- nanza streak. After this depth came lessees, 600 tons were shipped of an av- menced looking around for other prop- cording to the force at the mine there a lean streak, but now, at an average erage value of 25\$ per ton, and a like erty. This they finally found at the has been a noticeable improvement depth of about 2,400 feet, we have average value obtained for the 400 tons | Canyon in the shape of a group owned, with every foot run. This is particuby John Hansen, "Russian John."

tween walls, at the second level it would crowd 208 a ton. company, and the remaining 800 tons, measured 18 feet, and now at 400, as The flow of water has likewise in-

matter will be laid before the directors for final decision. So much represent facts are that the Eagle has "made good" and that a plant is to be installed with all possible haste.-Searchlight Bulletin.

Salt Lake Loss is Ten Millions,

The repairing of the 100-mile wash-Salt Lake road in Nevada, which has tied up the line for some months, will Wells Fargo. The American Company recently began operating over the uing, the interview runs: Oregon Railway and Navigation, and

The American Express' entry to all The Nevada Engle people have been these lines is said to have been part of

Gould's Western Pacific road will no doubt give its express privilege to lieve this statement holds good today. in the No 2 dump will be drawn by gallons of water a day, the present the Globe or Pacific companies, both

York.

larly true of the values. Yesterday picking out a suitable lot in the mine The excellent surface showing has the face was in some 12 feet-the size cemetery for Butte; it is the liveliest maintained with each succeeding level. of the drift is 5x7 feet-and it was es-At 100 feet the vein was 26 feet be- timated from pannings that the whole Well, be sure you use the term 'junk

averaging 208 per ton, was shipped by stated, there is fully 20 feet of com- creased, and it has been necessary to mercial ore. The ore on the lower speed up the big pump. From the lain's Cough Remedy. Pleasant to level was picked up in a crosscut, in present face the water gushes out take, soothing and healing in effect. The Vindicator company has paid turn, had been run from an east drift from the rock in streams, one in par- Sold by all dealers.

Crosscutting is also in progress on Just what style of a reduction plant the second level and it is only a queswill be installed will not be deter- tion of a few days before the vein will

> The ore coming from the drift is anything but inviting in appearance. shows its real beauty only when washed down in the horn spoon. Then string and one's estimate of the strike goes up another notch.-Searchlight Bulletin.

Butte Mining Man Grows a Bit Sarcastic.

A Salt Lake City dispatch says: sitions are relegated to the junk pile. the world will smile and say that be finished early next month. With Butte still is on the job, for it is a trifle early to strangle and bury the

This statement is quoted by the Salt ern California as a competitor of the Lake Tribune from a mining and smelting engineer of Butte. Contin-

"Perhaps two-thirds of the state of Montana is dependent on the Butte mines, and the state is not worried in the least over the copper situation. We are saying little, but doing much. Not long ago I attended a banquet in Butte at which John D. Ryan, presipany, said, in substance, that if you would mention to him any mine in the world that was producing copper at a given figure, he would name a Butte mine that was producing the metal at the same or even lower cost. We be-

"If Butte was going out of business we would hardly be installing the ex-It is costing 4,000,000\$ to repair the pensive and very extensive mining is claimed will average close to 38 a is two and a half miles and the raise Salt Lake road. The traffic lost by equipment now being set in place. As ton and will return handsome profits. 600 feet. However, in this connection the road since it has been tied up is a general rule, the Butte mines are The No 1 dump contains in excess of Mr. Mortimer will advise sinking the estimated at 6,000,000\$. This has fal- doing away with the old hoisting sys-1,500,000 tons of ore and will be sub- main shaft an additional 200 feet be- len on William A. Clark, United tem, and new electrical devices are jected to treatment when the addition- fore laying the line, as he is of the States Senator from Montana, former being secured. Electric pumps are al units-two of 400 tons capacity each opinion that at this depth a sufficient United States Senator Kearns of Utah being installed, not by one or a few supply of water for milling purposes and Richard F. Kearns of St Louis, the companies, but practically all over the American embassador to Vienna, who district. The payroll of the camp is The estate of the Nevada Eagle is owns one-half of the property, and the as big as ever, and there is nothing to "Butte is unique in these days of

along pretty much from hand to mouth, but you have noticed, no doubt, that we always have the ore when we need Following the hanging wall, a drift | than they do today. From the 80 to corpse imaginable. The porphyries?

> Prompt relief in all cases of throat and lung trouble if you use Chamber-

